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**National Aeronautics
and Space Administration**

**January 20, 1995
NRA 95-OSS-02**

RESEARCH ANNOUNCEMENT

Astrophysics Theory Program (ATP)

Proposals Due: April 20, 1995

COMPLETED

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Astrophysics Theory Program (ATP)

**NASA Research Announcement
Soliciting Proposals for
Theoretical Research in Space Astrophysics
for the Period Ending
April 20, 1995**

**NRA 95-OSS-02
Issued: January 20, 1995**

**Office of Space Science
National Aeronautics and Space Administration
Washington, DC 20546-0001**

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ASTROPHYSICS THEORY PROGRAM

This NASA Research Announcement (NRA) solicits proposals for theoretical research with ultimate relevance to the interpretation of data from Space Astrophysics observations. This program consists of research projects with a duration of up to 3 years. The NASA Astrophysics Theory Program is intended to support efforts to develop the basic theory needed for NASA's Space Astrophysics program. This program seeks to address theoretical problems in Space Astrophysics which are either broadly applicable across Astrophysics, or narrowly focused on a particular subdiscipline of Space Astrophysics (e.g., Ultraviolet and Visible Astrophysics, Infrared and Radio Astrophysics, High Energy Astrophysics). Participation in this program is open to all categories of organizations including educational institutions, profit and nonprofit organizations, NASA Centers, and other Government agencies. Proposals may be submitted at any time during the period ending April 20, 1995. The proposal deadline will be adhered to strictly, and proposals received after April 20, 1995, will be held for the next review cycle which will commence in 1996. Proposals will be evaluated by scientific peer review panels with the goal of announcing selection in May 1995, and with availability of funds tentatively scheduled for June 1995 (subject to the NASA budget cycle).

Funds for awards under this NRA are expected to be available subject to the annual NASA budget cycle. The Government's obligation to make awards is contingent upon the availability of appropriated funds from which payment for award purposes can be made and the receipt of proposals which the Government determines are acceptable for award under this NRA.

Further details relevant to this program are included in Appendices A through D. Appendix A provides programmatic information relevant to the Astrophysics Theory Program. Appendices B and C contain instructions for preparation of solicited proposals in response to this NRA. Appendix D contains forms for use in preparing proposals in response to this NRA. These appendices are available from our ftp site or as hardcopy by regular mail if the proposer can demonstrate a lack of Internet access. In addition, files that describe the existing data sets, list examples of currently funded projects and the required electronic submission forms are available from the NASA HQ Astrophysics Internet host [ftp.astrophysics.hq.nasa.gov](ftp://ftp.astrophysics.hq.nasa.gov). The command "ftp [ftp.astrophysics.hq.nasa.gov](ftp://ftp.astrophysics.hq.nasa.gov)" should be used from the users machine. The user will then be prompted for a user name (use "anonymous") and a password (please use your own host name). ASCII, Postscript, and Microsoft Word files for this NRA, all Appendices, cover pages, budget forms, and electronic submission form are located in the directory "/pub/NRAs/ATP/95-OSS-02". In addition, a file named "README.txt" resides in this directory and gives detailed instructions on obtaining the necessary files electronically. **Note that e-mail submission of the proposal electronic form is required during this cycle.**

Identifier: NRA 95-OSS-02

Submit Proposals To: Astrophysics Theory Program
Infrared Processing and Analysis Center
California Institute of Technology, 100-22
770 S. Wilson Avenue
Pasadena, CA 91125

Submit Proposals By: April 20, 1995

Number Required: 15 copies

Selecting Official: Director, Astrophysics Division
Office of Space Science

**Obtain Appendices Electronically via
"anonymous ftp" from:** ftp.astrophysics.hq.nasa.gov

Obtain Additional Information From:

Dr. Guenter Riegler
Astrophysics Division
Code SZA
NASA Headquarters
Washington, DC 20546-0001 U.S.A.
Telephone: (202) 358-0339
E-mail: theory@gm.ossa.hq.nasa.gov

Your interest and cooperation in participating in this effort are appreciated.



Wesley T. Huntress, Jr.
Associate Administrator for
Space Science

List Of Appendices And Enclosures

Appendices are available via anonymous ftp from `ftp.astrophysics.hq.nasa.gov` (181.182.108.30) or by hardcopy (contact J. Schombert (202) 358-0355, e-mail: `theory@gm.ossa.hq.nasa.gov`). Hardcopy is available only on request from proposers who do not have access to Internet.

Appendix A - Program Description

**Appendix B - Guidelines for Responding to NASA Research Announcements for
Solicited Basic Research Proposals**

**Appendix C - Additional Guidelines for the Preparation of Proposals in
Response to this NRA**

Appendix D - Forms for Use in Preparing Proposals in Response to this NRA

Cover Page

General Form

Proposal Budget Form

Current and Pending Federal Support Form

Certification Forms (Drug-Free Workplace, Debarment and Suspension, and
Lobbying)

NASA Mailing List Update

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NASA Research Announcement (NRA)/Announcement of Opportunity (AO) Mailing List Update

If your current address is NOT up-to-date, please fill out this form completely.

This is the update form for the NASA Office of Space Sciences (OSS) NRA/AO mailing list. Please fill out CONTACT INFORMATION completely. Check only those that apply in Institution Type and Discipline. Fold the form, secure with tape, and mail it back to the address on the reverse side. Proper postage must be applied.

Please check which announcements you would like to receive:

- 1. NASA Research Announcements (basic, non-flight, on-going research)
- 2. Announcements of Opportunity (specific space flight mission)

Must check one, please include code number from mailing label:

- 1. Please add my name to the mailing list.
- 2. Please remove my name from the mailing list (please attach mailing label)
- 3. Please update my current listing.

CONTACT INFORMATION

If your address has changed or your mailing label is incorrect, please provide COMPLETE contact information.

Code Number: (obtain from mailing label)	Salutation: (Mr., Mrs., Ms., Dr., Prof., etc.)	Suffix: (Ret., PhD., Jr., III, etc.)
First Name:	MI:	Last Name:
Organization:		
Division / Department:		
Street:		
City:	State:	Zip:
Telephone No:	Fax No:	
E-Mail Address:	Internet Address:	
Country: (foreign addresses, please specify)		

Institution Type

(check only those that apply)

- 1. College or University
- 2. Minority College or University
- 3. Foreign Addressee
- 4. Minority Business
- 5. NASA HQs/Center
- 6. Nonprofit Corporation
- 7. Other Government Agency
- 8. Private Industry
- 9. Small Business

Societies:

- A. American Astronomical Society
- B. American Geophysical Union
- C. Others _____

Discipline:

(check only those that apply)

1. Astronomy and Astrophysics

- A. Theory and Modeling
- B. Instrumentation (Technology Dev)
- C. Laboratory Astrophysics
- D. Data Analysis (Archival)
- E. Observational Programs

2. Solar System Exploration

- A. Planetary Atmospheres and Astronomy
- B. Planetary Materials and Geochemistry
- C. Planetary Geology and Geophysics
- D. Instrument Development
- E. Origins of Solar Systems
- F. Exobiology

3. Space Physics

- A. Cosmic and Heliosphere Physics
- B. Solar Physics
- C. Magnetospheric Physics
- D. Ion-Thermo-Mesospheric Physics

4. Information Systems/Computer Science

- A. High Performance Computing and Networking
- B. Scientific Data Analysis and Visualization
- C. Science Data Storage and Management
- D. Software Technology



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